

## ABSTRACT

It is an object of the present invention to provide a production method of a dehydration reaction product by which  
5 the occurrence of troubles in the production step or the degradation in performance characteristics or quality of various chemical products can be suppressed to a satisfactory extent.

10 A production method of a dehydration reaction product which comprises a dehydration reaction step of subjecting a reaction solution containing a polymerizable compound to the dehydration reaction,

said dehydration reaction step comprising using a dehydration reaction apparatus,

15 said dehydration reaction apparatus comprising a reaction vessel, a condenser and a connecting pipe joining said reaction vessel with said condenser and

satisfying the requirement:

$$0.05 < (B^3/A) < 35$$

20 where A is a capacity ( $m^3$ ) of said reaction vessel and B is a total length (m) of said connecting pipe on the horizontal basis.

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